

What is claimed is:

- 1 1. A method of providing instructions in addressing an equipment problem  
2 comprising the following steps:  
3 checking an indication of an equipment problem against a solution database to  
4 identify at least one suggested solution to said equipment problem;  
5 providing a suggested solution from said at least one suggested solution for  
6 implementation; and  
7 recording an actual fix solution implemented in association with said equipment  
8 problem.
- 1 2. The method of claim 1, further comprising the steps of:  
2 checking said suggested solution against a materials database, said materials  
3 database including an inventory of materials needed to implement said suggested  
4 solution; and  
5 alerting an equipment engineer of said needed materials.
- 1 3. The method of claim 2, wherein said materials database further includes an  
2 indication of availability of said materials, said method further comprising the step of  
3 alerting said equipment engineer of said availability.
- 1 4. The method of claim 1, wherein a plurality of suggested solutions are identified,  
2 said method further comprising the step of identifying a preferred solution from said  
3 plurality of suggested solutions.
- 1 5. The method of claim 4, wherein said identifying a preferred solution step includes  
2 the step of selecting said preferred solution based at least in part on an efficiency rating  
3 associated with said preferred solution.
- 1 6. The method of claim 1, further comprising the step of recording said actual fix  
2 solution into said solution database and associating said actual fix solution with said  
3 equipment problem.

1 7. The method of claim 6, further comprising the step of recording said actual fix  
2 solution into said solution database as a suggested solution only after said actual fix  
3 solution meets a minimum efficiency rating.

1 8. The method of claim 1, wherein said providing step includes the step of providing  
2 a notification to an equipment engineer, wherein said actual fix solution is implemented  
3 by said equipment engineer.

1 9. The method of claim 1, wherein said equipment problem is a problem associated  
2 with a piece of semiconductor fabrication equipment.

1 10. The method of claim 1, wherein said actual fix solution implemented in  
2 connection with said equipment problem is said provided suggested solution.

1 11. The method of claim 1, wherein said providing step includes the step of providing  
2 said suggested solution to a wireless device in real time.

1 12. A method of providing instruction in addressing an equipment problem  
2 comprising the following steps:

3 recording an actual fix solution implemented in association with said equipment  
4 problem;

5 monitoring an efficiency rating of said actual fix solution in addressing said  
6 equipment problem; and

7 when an efficiency rating associated with said actual fix solution exceeds a  
8 minimum efficiency rating, making said actual fix solution available as a suggested  
9 solution to said equipment problem.

1 13. The method of claim 12, further comprising the steps of:

2 checking a received indication of an equipment problem against a solution  
3 database to identify at least one suggested solution to said received equipment problem;  
4 and

5            providing a suggested solution from said at least one suggested solution to an  
6 equipment engineer.

1    14.    The method of claim 13, wherein said making step includes the step of recording  
2 said actual fix solution in said solution database.

1    15.    The method of claim 13, further comprising the step of associating said actual fix  
2 solution with materials used in said actual fix solution.

1    16.    The method of claim 15, further comprising the steps of:  
2            checking said suggested solution against a materials database, said materials  
3 database including an inventory of materials needed to implement said suggested  
4 solution; and  
5            alerting said equipment engineer of said needed materials.

1    17.    The method of claim 16, wherein said materials database further includes an  
2 indication of availability of said materials, said method further comprising the step of  
3 alerting said equipment engineer of said availability.

1    18.    The method of claim 12, wherein a plurality of suggested solutions are identified,  
2 said method further comprising the steps of identifying a preferred solution from said  
3 plurality of suggested solutions.

1    19.    The method of claim 18, wherein said identifying a preferred solution step  
2 includes the step of selecting said preferred solution based at least in part on an efficiency  
3 rating associated with said preferred solution.

1    20.    The method of claim 12, wherein said equipment problem is a problem associated  
2 with a piece of semiconductor fabrication equipment.

1 21. A system for providing instructions in addressing an equipment problem  
2 comprising:

3 means for checking an indication of an equipment problem against a solution  
4 database to identify at least one suggested solution to said equipment problem;

5 means for providing a suggested solution from said at least one suggested solution  
6 for implementation; and

7 means for recording an actual fix solution implemented in associated with said  
8 equipment problem.

1 22. The system of claim 21, further comprising:

2 means for checking said suggested solution against a materials database, said  
3 materials database including an inventory of materials needed to implement said  
4 suggested solution; and

5 means for alerting an equipment engineer of said needed materials.

1 23. The system of 22, wherein said materials database further includes an indication  
2 of availability of said materials, said system further comprising means for alerting said  
3 equipment engineer of said availability.

1 24. The system of claim 21, wherein a plurality of suggested solutions are identified,  
2 said system further comprising means for identifying a preferred solution from said  
3 plurality of suggested solutions.

1 25. The system of claim 24, wherein said identifying a preferred solution means  
2 includes means for selecting said preferred solution based at least in part on an efficiency  
3 rating associated with said preferred solution.

1 26. The system of claim 21, further comprising means for recording said actual fix  
2 solution into said solution database and associating said actual fix solution with said  
3 equipment problem.

1    27.    The system of claim 26, wherein said actual fix is recorded into said solution  
2    database as a suggested solution only after said actual fix solution meets a minimum  
3    efficiency rating.

1    28.    The system of claim 21, wherein said providing means includes means for  
2    providing a notification to an equipment engineer, wherein said actual fix solution is  
3    implemented by said equipment engineer.

1    29.    The system of claim 21, wherein said equipment problem is a problem associated  
2    with a piece of semiconductor fabrication equipment.

1    30.    The system of claim 21, wherein said actual fix solution implemented in  
2    connection with said equipment problem is said provided suggested solution.

1    31.    The system of claim 21, wherein said providing means includes means for  
2    providing said suggested solution to a wireless device in real time.

1    32.    A system for providing instruction in addressing an equipment problem  
2    comprising:

3            means for recording an actual fix solution implemented in association with said  
4    equipment problem;

5            means for monitoring an efficiency rating of said actual fix solution in addressing  
6    said equipment problem; and

7            means for making said actual fix solution available as a suggested solution to said  
8    equipment problem when an efficiency rating associated with said actual fix solution  
9    exceeds a minimum efficiency rating.

1    33.    The system of claim 32, further comprising:

2            means for checking a received indication of an equipment problem against a  
3    solution database to identify at least one suggested solution to said received equipment  
4    problem; and

5            means for providing a suggested solution from said at least one suggested solution  
6    to an equipment engineer.

1    34.    The system of claim 33, wherein said making means includes means for recording  
2    said actual fix solution in said solution database.

1    35.    The system of claim 33, further comprising means for associating said actual fix  
2    solution with materials used in said actual fix solution.

1    36.    The system of method of claim 35, further comprising:  
2            means for checking said suggested solution against a materials database, said  
3    materials database including an inventory of materials needed to implement said  
4    suggested solution; and  
5            means for alerting said equipment engineer of said needed materials.

1    37.    The system of claim 35, wherein said materials database further includes an  
2    indication of availability of said materials, said system further comprising means for  
3    alerting said equipment engineer of said availability.

1    38.    The system of claim 32, wherein a plurality of suggested solutions are identified,  
2    said system further comprising means for identifying a preferred solution from said  
3    plurality of suggested solutions.

1    39.    The system of claim 38, wherein said identifying a preferred solution means  
2    includes means for selecting said preferred solution based at least in part on an efficiency  
3    rating associated with said preferred solution.

1    40.    The system of claim 30, wherein said equipment problem is a problem associated  
2    with a piece of semiconductor fabrication equipment.